

# PROCOOL GLOBAL MV 5050 GREEN PRODUCT DATA SHEET

Issue 3 Issue Date: July 2023

Procool Global MV 5050 Green Engine Coolant is recommended for use in all makes of foreign and domestic passenger vehicles and light duty trucks. It contains a proprietary formulation of premium corrosion inhibitors that provide extended protection against rust, corrosion and cavitation for all coolant system metals including aluminium. It also provides excellent protection against temperature extremes preventing freeze-up and boil-over when used in accordance with OEM guidelines re product dilution. The proprietary formulation in Procool Global MV 5050 Green Engine Coolant has a 2 year shelf life when stored in the original unopened container. Procool Global MV 5050 Green Engine Coolant is supplied 50% premixed with de-ionised water, and should not be diluted further.

## a) Benefits

Procool Global MV 5050 Green Coolant Premix is a premium quality, coolant that has been tested to be compatible with all automotive and light duty truck antifreeze/coolant products available in the market today. Procool Global MV 5050 Green Coolant not only guards against freezing and boil-over, it also provides critical protection against corrosion forming on system components

- Extended Life Hybrid Organic Acid Technology. When added to a coolant system after a complete automotive drain, flush and fill, this product provides up to 5 years or 250,000km of protection for light duty and 960,000km or 6 years heavy duty diesel service.
- All makes, all models
- Universal Use. Product is compatible with other engine coolants; although to get best performance (regarding issues such as long life) it is recommended to flush the old coolant and replace with Procool Global MV 5050 Green Engine Coolant
- Protects against cavitation, corrosion
- Excellent freezing and boil over protection
- Procool Global MV 5050 Green Engine Coolant affords lasting protection to all ferrous and non-ferrous metals found in traditional and modern engine construction

## b) Specifications and Approvals

Recommended for use in the following models:

General Motors, Ford, Honda, Suzuki, Toyota, Nissan, Chrysler, Mercedes Benz, VW, BMW, Hyundai, Daewoo, Peugeot, Citroen, Fiat.

Procool Global MV 5050 Green Engine Coolant meets or exceeds the performance requirements of the following engine coolant specifications:

OEM/Agency	Specification
ASTM	D-3306/D-4985/D-6210/D-7583
AS/NZS	2108.1:2004 Type A
CUMMINS	3666132
DETROIT	7SE298, 93K217
TMC	RP329B, TMC RP338

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Procool Global MV 5050 Green is recommended and suitable for use with:

GM	1825M / 1899M
FORD	ESE M97B44-A, M97B44-D, M97B51-A1
CHRYSLER	MS 7170, MS9769
MAN	MAN324 NF
VOLVO	Volvo Heavy Truck
SCANIA	TB1451
MACK	014GS17004, 014GS17009

## PROCOOL GLOBAL MV 5050 GREEN ENGINE COOLANT PERFORMANCE TESTING

Coupon	ASTM D 1384	
	Glassware Corrosion	
Type	Test Results <sup>1</sup>	Max. Spec. <sup>1</sup>
Copper	0.8	10
Solder3	1.0	30
Brass	0.7	10
Steel	+0.2	10
Cast Iron	-1.0	10
Aluminium	1.8	30

<sup>1</sup> Weight Loss/Coupon (mg)

ASTM Test Procedure	Test Results	Specification
D4340-89 heat Rejecting Aluminium Corrosion	<0.1 mg/cm <sup>2</sup> /week	1.0 maximum
D2809 Aluminium Water Pump Cavitation-Erosion Corrosion (rating from 1 to 10)	9	8 minimum

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## PROCOOL GLOBAL MV 5050 GREEN ENGINE COOLANT PHYSICAL AND CHEMICAL PROPERTIES

Test	Performance	Test Method
pH (50% v/v)	8 - 9	ASTM D 1287
Specific Gravity (15.6°C)	1.07 - 1.08	ASTM D 1122
Freeze Point (50% v/v)	-37°C	ASTM D 1177
Foaming Properties - Volume (mL)	50 max.	ASTM D 1881
Foaming Properties - Break time (sec.)	5 max.	ASTM D 1881
Appearance	Green, clear and transparent liquid	
Shelf Life	5 years	
Total Glycol (% w/w)	50 min.	
Chloride (ppm)	25 max.	ASTM D 3634
Reserve Alkalinity, ml	1.0 min	ASTM D1121
Silicon, from silicate (ppm)	130 max	ASTM D6130
Phosphate (ppm)	<10	ICP
Nitrate (ppm)	<10	ICP

The performance and physical property data described for this product are presented in good faith and believed to be reliable; however, they should be considered as typical results and not as sales specifications.

**Notice:** Because use conditions and applicable laws may differ from one location to another and may change with time, customer is responsible for determining whether products and the information in this document is appropriate for customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Procool warranty is limited to the claims of product meeting stated specifications. It is the responsibility of the end user to determine product suitability as recommended in the Owner's Manual and to follow engine manufacturer's instructions.